

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A fluororesin coated medical guide wire, comprising:
 a metal wire; and
 ~~in which at least a fluororesin coating layer is formed on~~ covering at least a portion of a
 surface of ~~[[a]]~~ the metal wire,
 ~~wherein the metal wire has a uniform thickness or a tapered tip;~~
 ~~wherein a particulate matter of fluororesin is present in the fluororesin coating layer~~
 ~~including, the fluororesin coating a base layer made of a first fluororesin material, and surface~~
 ~~protrusion-shaped smooth projections of a second the particulate matter of fluororesin material,~~
 ~~wherein the first and the second are baked by heating at at least a melting point of the~~
 ~~fluororesin coating layer, and the fluororesin coating layer and the particulate matter of~~
 ~~fluororesin materials are compatibly melted together,~~
 the fluororesin coating layer having no clearly distinguishable boundary between the first
 fluororesin material and the second fluororesin material ~~compatible and melt into a single unit;~~
 and
 ~~wherein the fluororesin coating layer is an outermost layer that covers the particulate~~
 ~~matter, and at least some of the particulate matter is formed in surface protrusion-shaped smooth~~
 ~~projections, so that frictional resistance to a resin tube that comes into contact with the~~
 ~~projections is reduced.~~
2. (Currently Amended) The medical guide wire according to claim 1, wherein ~~a primer~~
 ~~layer is further formed within the fluororesin coating layer~~ further including a primer layer;
 wherein the ~~particulate matter of second~~ fluororesin material is present in at least one
 ~~layer selected from the primer layer and the fluororesin coating layer; and~~
 wherein ~~the fluororesin coating layer of the an~~ an outermost layer of the fluororesin coating
 layer covers the second fluororesin material ~~particulate matter and at least some of the particulate~~

~~matter is formed in surface protrusion-shaped projections.~~

3. (Canceled)

4. (Currently Amended) The medical guide wire according to claim 1, wherein the first and second fluororesin materials of the fluororesin coating layer ~~and the particulate matter~~ include at least one selected from the group consisting of polytetrafluoroethylene (PTFE), tetrafluoroethylene-perfluoroalkylvinyl ether copolymer (PFA), polychlorotrifluoroethylene (PCTFE), polyvinylidene fluoride (PVDF), polyvinyl fluoride (PVF), tetrafluoroethylene-hexafluoropropylene copolymer (FEP), and tetrafluoroethylene-ethylene copolymer (PETFE).

5. (Previously Presented) The medical guide wire according to claim 1, wherein the thickness of the fluororesin coating layer is at least 1 μm and not more than 50 μm .

6. (Original) The medical guide wire according to claim 1, wherein the average height of the projections is at least 0.1 μm and not more than 20 μm .

7. (Original) The medical guide wire according to claim 1, wherein the fluororesin coating layer surface has a mixture of flat portions and numerous protrusion-shaped projections.

8. (Previously Presented) The medical guide wire according to claim 1, wherein the density of the protrusion-shaped projections is at least an average of 1 per 0.01 mm^2 .

9-10. (Canceled)

11. (Currently Amended) The medical guide wire according to claim 2, wherein an average particle diameter of the ~~particulate matter~~ second fluororesin material is at least the film thickness of the primer layer, and the average particle diameter is in a range of 0.5 to 30 μm .

12-18. (Canceled)

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19. (New) The medical guide wire according to claim 1, wherein the first and the second fluororesin materials form a structural single unit.

20. (New) The medical guide wire according to claim 1, wherein the first and the second fluororesin materials have different melting points.